



Prioritization of Sidewalk Construction Projects

September 4, 2014



Summary

- The purpose of this agenda item is to provide the City Council with a report on current sidewalk project priorities and provide an opportunity for the City Council to affirm or modify current policy direction.

Transportation Department

101 CITY HALL PLAZA
DURHAM, NC 27701
P 919.560.4366
F 919.560.4561

dale.mckeel@durhamnc.gov



Background – DurhamWalks! Plan

- Adopted by City Council in 2006.
- Created a ranking of street corridors where new sidewalks are needed.
- Updated sidewalk ranking in 2011.

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Revised Sidewalk Ranking (Total of 235 Corridors)

Attachment A. Revised Sidewalk Corridor Ranking.

Sidewalk corridors have been re-ranked using 2004-2008 crash data, bus stop data, and by weighting parks and schools 50 percent higher.

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ID	Road Name	Extent From	Extent To	2011 Total Score	2006 Priority Rank	2011 Priority Rank	Change in Rank ¹
52	DearbornA1	Old Oxford	Ruth	16.5	2	1	1
114	Hope Valley A1	HWY 54	Swarthmore	15	1	2	-1
7	AlstonA3	Cecil (NC 55)	Riddle	14.5	21	3	18
180	Roxboro2	Pacific	Murray	13.75	19	4	15
183	Roxboro6	Enterprise	Cornwallis	13.5	17	5	12
205	University3	Old Chapel Hill	Hope Valley	13.5	6	6	0
71	FayettevilleA2	Woodcroft	MLK	13	11	7	4
80	GarrettA1	Hope Valley	Swarthmore	13	3	8	-5
148	Markham1	Ninth	Washington	13	32	9	23
47	CornwallisA1	Chapel Hill Rd	Roxboro	12.5	14	10	4
86	Geer4	Midland Terrace	Glenn School	12.5	109	11	98
22	Broad1	Durham Freeway	F Street	12.25	56	12	44
120	HWY 54 PW2	Alston	Miami	12.25	N/A	13	N/A
215	NC 55A	Riddle	Cecil	12.25	N/A	14	N/A
60	DukeA1	Roxboro	Carver	12	22	15	7
119	HortonA2	Stadium	Roxboro	12	49	16	33
136	LaSalleA1	Kangaroo	Erwin	12	16	17	-1
40	Club1	Ruffin	Ambridge	11.75	7	18	-11
44	Cook	Fayetteville	Martin Luther King Jr.	11.75	45	19	26
102	HardeePW	Holloway	Cheek	11.75	N/A	20	N/A
6	AlstonA2	Holloway	NC 147	11.5	29	21	8



2011 Changes

- Detailed report on status of the top 52 ranked sidewalk projects
- Adopted Unfunded Sidewalk Priority List (24 projects)

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Status Report (Top 52 Projects)

Status of Top 52 Sidewalk Corridor Projects (Score > 9)

Note: STP-DA and CMAQ are federal funds allocated by the DCHC MPO; ARRA refers to federal stimulus funds.

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Road Name	Extent From	Extent To	2011 Priority Rank	Project Status
DearbornA1	Old Oxford	Ruth	1	Sidewalk constructed on west side in 2011 (ARRA); except for bridges to be constructed in 2012 (City Bond).
Hope Valley A1	HWY 54	Swarthmore	2	Section between Swarthmore and S. Roxboro (west side) constructed in 2011 (ARRA); section between Garrett and NC 54 (west side) has been designed and awaiting ROW acquisition before construction can begin (STP-DA).
AlstonA3	Cecil (NC 55)	Riddle	3	Funded STP-DA (FY 2015)
Roxboro2	Pacific	Murray	4	Not funded.
Roxboro6	Enterprise	Cornwallis	5	Sidewalk constructed on west side in 2006. There is now a complete sidewalk on the west side in this corridor.
University3	Old Chapel Hill	Hope Valley	6	Section between Old Chapel Hill and Dixon has been designed and to be constructed in 2012 (south side); section between Dixon and Hope Valley to be built by NCDOT (FY 2015).
FayettevilleA2	Woodcroft	MLK	7	To be constructed as part of planned future widening.
GarrettA1	Hope Valley	Swarthmore	8	Project has been designed (west side) and awaiting ROW acquisition (City Bond)
Markham1	Ninth	Washington	9	Complete sidewalk on at least one side of the street except for one lot that has tree root conflicts.
CornwallisA1	Chapel Hill Rd	Roxboro	10	Funded STP-DA (Design FY 2012; Construction FY 2014)
Geer4	Midland Terrace	Glenn School	11	Not funded.
Broad1	Durham Freeway	F Street	12	Complete sidewalk on both sides except for sections adjacent to Duke East Campus (east side) and between Main and NC 147 (east side). The bridge over NC 147 does not have sidewalk on the east side.
HWY 54 PW2	Alston	Miami	13	Not funded. Much of this section is in RTP outside City limits. There is a pedestrian path along one side of NC 54 in RTP.



Unfunded Sidewalk Construction Priority List (24 Projects - \$14 million)

Att. B. Unfunded Sidewalk Construction Priority List
Adopted by Durham City Council on November 21, 2011

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	Road Name	Extent From	Extent To	Segment Length (ft)	2011 Priority Rank	Proposed Construction	Planning Level Cost Estimate	Running Total
1	Roxboro2	Pacific	Murray	7418	4	Construct approx 1149 feet of sidewalk behind existing curb and gutter to complete sidewalk on west side.	\$ 86,203	\$ 86,203
2	Geer4	Midland Terrace	Glenn School	8451	11	Construct approx 4611 feet of sidewalk on north side or 6873 feet of sidewalk on south side, either behind the ditch or new curb and gutter, to provide a complete sidewalk on one side of corridor. Bike plan also calls for bike lanes in corridor.	\$ 1,237,193	\$ 1,323,396
3	NC 55A	Riddle	Cecil	5680	14	Construct approx 3235 feet of sidewalk on east side or 4458 feet of sidewalk on west side, behind existing curb and gutter, to provide a complete sidewalk on one side of corridor.	\$ 334,380	\$ 1,657,776
4	DukeA1	Roxboro	Carver	5758	15	Construct approx 5223 feet of sidewalk on east side or 4537 feet of sidewalk on west side, behind existing curb and gutter, to provide a complete sidewalk on one side of corridor.	\$ 391,741	\$ 2,049,517
5	HortonA2	Stadium	Roxboro	5185	16	Construct approx 3622 feet of sidewalk on north side or 4725 feet of sidewalk on south side, either behind the ditch or new curb and gutter, to provide a complete sidewalk on one side of corridor. Bike plan also calls for bike lanes in corridor.	\$ 850,519	\$ 2,900,035
6	Cook	Fayetteville	Martin Luther King Jr.	5722	19	Construct approx 4936 feet of sidewalk on north side or 4262 feet of sidewalk on south side, either behind the ditch or new curb and gutter, to provide a complete sidewalk on one side of corridor. Bike plan also calls for bike lanes in corridor.	\$ 888,513	\$ 3,788,548
7	HardeePW	Holloway	Cheek	5070	20	Construct approx 4718 feet of sidewalk on west side or 5070 feet of sidewalk on east side, either behind the ditch or new curb and gutter, to provide a complete sidewalk on one side of corridor. Bike plan also calls for bike lanes in corridor.	\$ 912,537	\$ 4,701,085



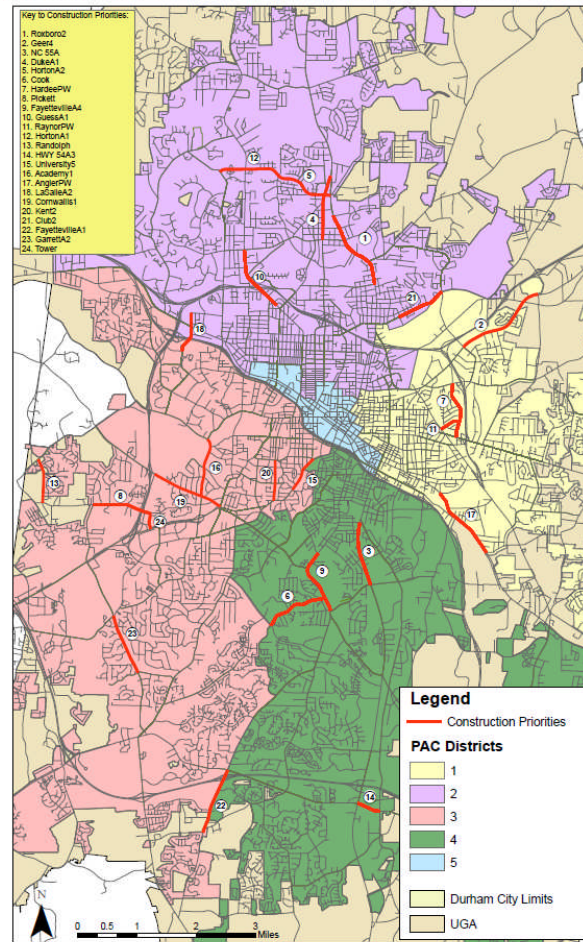
Unfunded Sidewalk Construction Priority List

DurhamWalks! Unfunded Sidewalk Construction Priorities

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Petition Sidewalks

- 11 existing petition sidewalk projects
 - Assessment: \$5/linear foot
 - Average cost: \$55/linear foot
- New policy – March 2013
 - DurhamWalks! Projects
 - Assessment: \$35/linear foot
 - Other Projects
 - Assessment: Based on actual cost
 - No new petition sidewalks submitted

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Petition Sidewalks

Attachment C. Petition Sidewalks Ordered by Council, 2006-2013

Note: Sidewalk construction estimates based on \$55/foot

Order	Street	DurhamWalks Rank	Limits	Length (feet)	Type of Improvement	Ordered Date	Petition EAA Date	Sidewalk Construction Estimate
1	S. Roxboro Street (E/S)	213	Juliette Dr. S. to Greyfield Blvd.	1,594	s/w	9/18/2006	6/27/2006	\$ 87,670.00
2	Juliette Drive (N/S)	183*	S. Roxboro St. to PIN #0729-01-16-2672	216	s/w	9/18/2006	6/27/2006	\$ 11,880.00
3	Infinity Road S/S)	97*	Shadebush Dr to Lazyriver Dr	440	s/w	1/6/2007	6/27/2006	\$ 24,200.00
4	Green Street (S/S)	226	Gregson to Watts	771	s/w	6/4/2007	3/22/2007	\$ 42,405.00
5	Monmouth Ave (S/S)	53*	N. Buchanan to Watts St.	271	s/w	11/19/2007	9/20/2007	\$ 14,905.00
6	Fayetteville Rd (W/S)	108*	N p/l PIN 0717-02-69-7405 to S p/l PIN 0717-02-69-7405	215	s/w	10/6/2008	8/4/2008	\$ 11,825.00
7	Sedwick (N/S)	163	Revere Road to Grandale Drive	2,823	s/w	11/3/2008	8/22/2008	\$ 155,265.00
8	University Dr (E/S)	87	Durham Chapel Hill Blvd to W. Forest Hills Dr	3,098	s/w	4/6/2009	8/27/2008	\$ 170,390.00
9	Hardwick Dr (N/S)	198*	West p/l of PIN 0728-03-24-3003 to Wellingham Dr.	70	s/w	8/16/2010	5/21/2010	\$ 3,850.00
10	Yorktown Ave (W/S)	108*	MLK, Jr Pkwy NE to NE P/L PIN 0739-01-05-9585	581	s/w	11/21/2011	9/9/2011	\$ 31,955.00
11	Grandale (E/S)	200	Sedwick to Lyon Farms	1,100	s/w	4/15/2013	3/20/2012	\$ 60,500.00
Subtotal				11,179				\$ 614,845.00
Inflation Rate FY 17 (5%) and Contingency (15%)								\$ 122,969.00
Total								\$ 737,814.00

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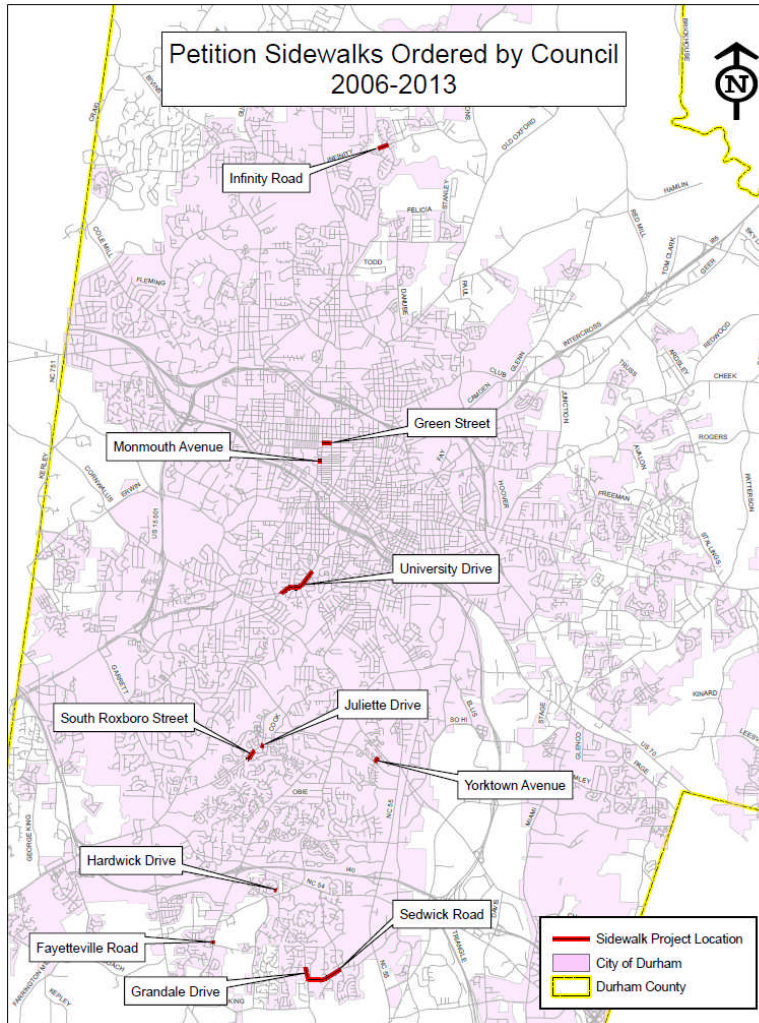


Petition Sidewalks

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Status of DurhamWalks! Projects

Attachment E. DurhamWalks! Projects in Design or Under Construction

Street	DurhamWalks Rank (2011)	Limits	Status	Notes
Dearborn Dr	1	Old Oxford Rd to Ruth Street St	Construction	
Garrett Rd	8	Jordan High Sch to Swarthmore Rd	Construction	
Alston Ave ¹	21	NC 147 to Holloway St	Right of Way Acquisition	NCDOT-Managed Project
Avondale Dr	32 ²	Roxboro St to Geer St	Right of Way Acquisition	
Campus Walk Ave	23	Morreene Rd to LaSalle St	Right of Way Acquisition	
Fayetteville Rd	27	Cornwallis Rd to Pilot St	Right of Way Acquisition	
Holloway St	29	Miami Blvd to Southerland St	Right of Way Acquisition	Part of East End Connector (NCDOT)
LaSalle St	17	Kangaroo St to Erwin Rd	Right of Way Acquisition	
NC 751 (Hope Valley Rd)	2	Garrett Road to NC 54 / Dresden Dr	Right of Way Acquisition	
Old Durham-Chapel Hill Rd ¹	46 ³	Garrett Rd to Pope Rd	Right of Way Acquisition	NCDOT-Managed Project
Alston Ave	3	Campus Hills Park to Riddle Rd	Design	
Fayetteville Rd ¹	7	Riddle Rd to Barbee Rd	Design	CIP Widening Project
University Dr ¹	6	Old Chapel Hill Rd to Cornwallis Rd	Design	
Carpenter-Fletcher Rd ¹	88 ⁴	Woodcroft Pkwy to Alston Ave	Functional Design	
Cornwallis Rd ¹	10	Chapel Hill Rd to Roxboro St	Functional Design	
Hillandale Rd ¹	99 ⁵	NC 147 to I-85	Functional Design	
Morreene Rd ¹	24	Campus Walk Ave to Erwin Rd	Functional Design	

- Footnotes: 1. Project provides both bicycle and pedestrian facilities
 2. Project ranked # 13 in DurhamWalks! 2006 Sidewalk Corridor Rankings
 3. Project ranked # 24 in DurhamWalks! 2006 Sidewalk Corridor Rankings
 4. Project ranked # 20 in DurhamWalks! 2006 Sidewalk Corridor Rankings
 5. High-priority project in Durham Comprehensive Bicycle Transportation Plan.

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CIP Sidewalk Fund - Recommendation

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CIP Sidewalk Fund Total Available	\$2,505,170
FY 15 Sidewalk Repair and ADA Curb Ramps	- \$765,000
Downtown Curb Ramps – Water Main Project	- \$35,000
Downtown Sidewalk – 21C Hotel	- \$150,000
Downtown Sidewalk – City Center Building	- \$150,000
Remainder	\$1,405,170
Petition Sidewalks	- \$737,814
Unfunded Sidewalk Construction Priority List Projects	\$667,356